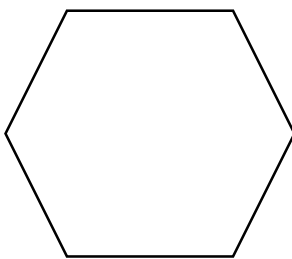


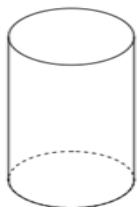
1. Name this polygon.



Hexagon

(1 mark)

2.

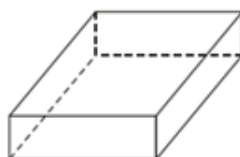


Name.....*Cylinder*.....

Faces.....*3*.....

Vertices.....*0*.....

Edges.....*2*.....



Name.....*Cuboid*.....

Faces.....*6*.....

Vertices.....*8*.....

Edges.....*12*.....



Name.....*Cone*.....

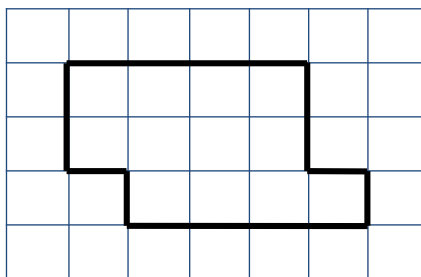
Faces.....*2*.....

Vertices.....*1*.....

Edges.....*1*.....

(9 marks)

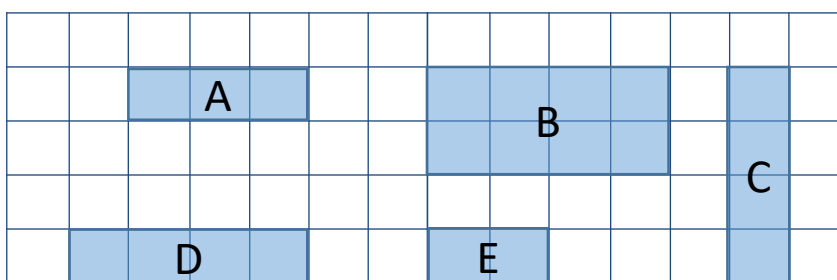
3. Calculate the perimeter of this shape.



16cm

(1 mark)

4.



(i) Which two shapes are congruent.

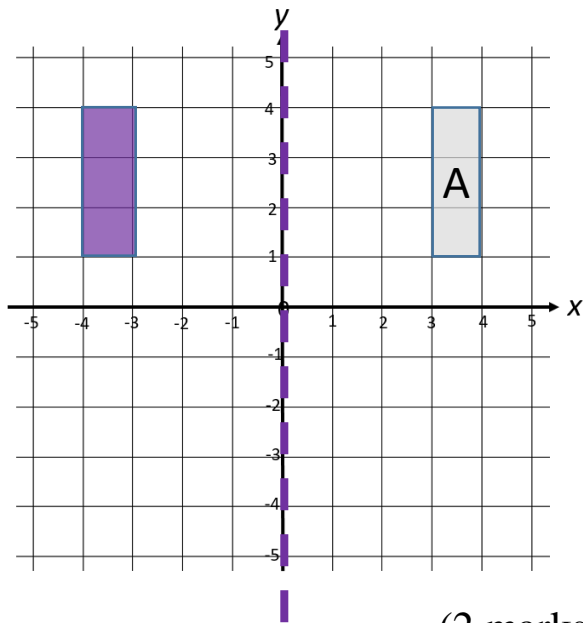
D.....and.....*C*.....

(ii) Which two shapes are similar.

B.....and.....*E*.....

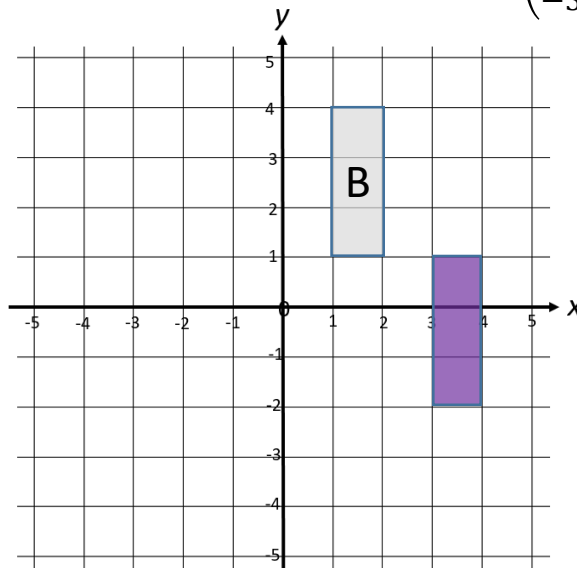
(2 marks)

5. Reflect shape A in the line y axis



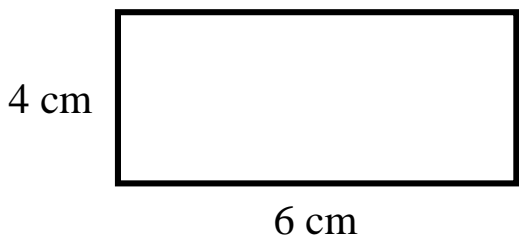
(2 marks)

6. Translate shape B by the vector $\begin{pmatrix} 2 \\ -3 \end{pmatrix}$



(2 marks)

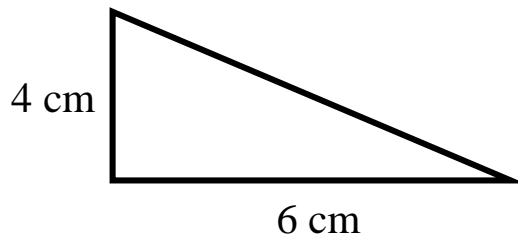
7. Calculate the area of this shape.



$24cm^2$

(2 marks)

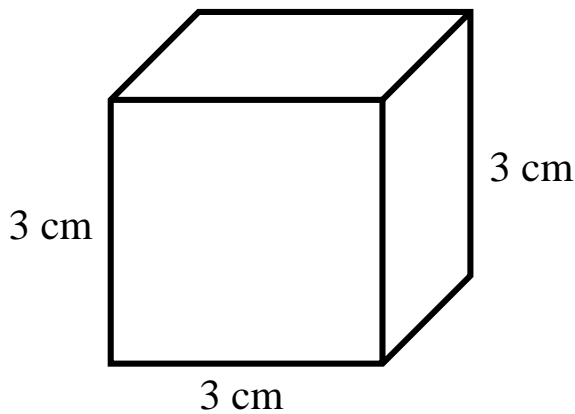
8. Calculate the area of this shape.



$12cm^2$

(2 marks)

9. Calculate the volume and surface area of the cube below.



Volume = $27cm^3$

Surface area = $54cm^2$

(5 marks)

Score =